

Human Genome Sciences, Inc.
Project Worksheet
HGS tumor necrosis factor (TNF-alpha)

Fri, Dec 3, 1999
Page 1

Project Information

Project Name tumor necrosis factor (TNF-alpha)
Project Code
Project Status Active
HGS Code 25750
Clone ID HIPAN08
Library Human Pancreas Tumor
Patent Status
PTO Serial #
Created By Steve Ruben
Date Created 2/2/94
Date Modified 2/2/94

from top?
date 4-20-94

General Comments

HGS FULL LENGTH PROJECTS FORM

HGS #:

CLONE DESIGNATION:

SB PROJECT #: (if any)

GENE NAME: Tumor Necrosis Factor alpha

HGS SCIENTIST(S): Steve Ruben, Liang Cao

POTENTIAL COMMERCIAL VALUE: This gene is a potential cytokine with some homology to TNF alpha. TNF alpha has cytotoxic properties against several tumor lines.

POTENTIAL COLLABORATORS:

COMMENTS: (should reflect Blast analysis) This EST shows 35% identity and 57% similarity to TNF alpha. It is worth doing a second walk on this EST to confirm this identity.

BLAST ANALYSIS:

>gp|X01394|HSTNFR_3 Human mRNA for tumor necrosis factor [Homo sapiens]
Length = 157

Plus Strand HSPs:

Score = 74 (33.5 bits), Expect = 0.0042, P = 0.0042
Identities = 14/40 (35%), Positives = 23/40 (57%), Frame = +2

Query: 59 WESSRSGHSFSLNHLRNGELVIHEKGFYYIYSQTYFRFQ 178
W + R+ + + LR+ +LV+ +G Y IYSQ F+ Q
Sbjct: 28 WLNRRANALLANGVELRDNLVVPSEGLYLIYSQVLFKQ 67

Ruben EXHIBIT #97

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Ruben EXHIBIT 2097
Ruben v. Wiley et al.
Interference No. 105,077
RX 2097

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PROJECT STATUS: (Include proposed experiments with Start and complete dates. In addition, make projections as to when individual goals will be met.)

A second walk is being done to confirm homology with TNF alpha (completion date 9/25/93)

TERMINATION (REASON): The second walk did not have homology to TNF alpha.

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